

CLAIMS

What is claimed is:

1. A suspension strut unit comprising:
 - 2 a cylinder having an outside;
 - 3 a chamber provided on the outside of the cylinder;
 - 4 a spring collar having a sleeve section received in said chamber;
 - 5 a curable material at least partially filling said chamber so that said
 - 6 material, in a solid state, transmits a supporting force from the cylinder to the spring
 - 7 collar; and
 - 8 an isolating sleeve having a radial guide surface which contacts said
 - 9 sleeve section.
1. 2. A suspension strut unit as in claim 1 wherein said isolating sleeve is
2 made of plastic.
1. 3. A suspension strut unit as in claim 1 further comprising a support
2 ring which is permanently axially connected to the outside of the cylinder, said chamber
3 being formed by said support ring.
1. 4. A suspension strut unit as in claim 3 wherein said support ring
2 comprises a sleeve and a floor, said sleeve section of said spring collar being received
3 between said sleeve and said cylinder.

1 5. A suspension strut unit as in claim 3 wherein said support ring has
2 an opening for injecting said curable material.

1 6. A suspension strut unit as in claim 3 wherein said isolating sleeve is
2 located between the sleeve of the support ring and the sleeve section of the spring
3 collar.

1 7. A suspension strut unit as in claim 3 wherein said isolating sleeve is
2 located between the cylinder and the sleeve section of the spring collar.

1 8. A suspension unit as in claim 1 wherein said chamber is formed at
2 least in part by said isolating sleeve.

1 9. A suspension strut unit as in claim 8 wherein said isolating sleeve
2 comprises a floor of said chamber.

1 10. A suspension strut unit as in claim as in claim 9 wherein said
2 isolating sleeve comprises a first isolating sleeve outside of said of said sleeve section,
3 said unit further comprising a second isolating sleeve between said sleeve section and
4 said cylinder.

1 11. A suspension strut unit as in claim 1 wherein said cylinder has an
2 axis, said radial guide surface having an axis which is at an acute angle to said axis of
3 said cylinder.

- 1 12. A suspension unit as in claim 9 further comprising a fastening ring
- 2 which is connected non-rotatably to the isolating sleeve and the cylinder.